MA 22 F. 2(85)-1

CURRENT INDUSTRIAL REPORTS

Spun Yarn Production

NEWARK PUBLIC LIBRARY

AUG 1 2 1986

U. S. GOVT. PUBS.
DEPOSITORY 326

1985

U.S. Department of Commerce
BUREAU OF THE CENSUS

MA22F.2(85)-1
Issued June 1986

SUMMARY OF FINDINGS

In 1985, spun yarn production totaled 5,733.2 million pounds, a decrease of 1.7 percent from 1984. Most yarn fibers showed decreases for 1985 with wool at 11.6 percent, cellulosic at 14.2 percent, noncellulosic at 3.1 percent and other natural fibers at 6.2 percent. Only cotton showed an increase, at 2.1 percent. Decreases for yarn production according to end use were registered at 2.8 percent for weaving yarns, 5.7 percent for hand knitting yarns, 9.9 percent for cordage and twine yarns, and 4.6 percent for all other use yarns. Increases were registered at 0.3 percent for machine knitting yarns and 0.4 percent for carpet and rug yarns.

A description of the survey methodology and related information appears on page 10.

Table 1A. SUMMARY OF SPUN YARN PRODUCTION, BY METHOD OF DISTRIBUTION: 1974 TO 1985

(Millions of pounds)

Year	Total	For sale	For own use	On commission
1985	5,733.2	1,836.5	3,848.8	47.9
1984	5,832.2	1,884.5	3,890.8	56.9
1983	6,079.1	2,037.7	3,982.3	59.1
1982	5,284.3	1,681.6	3,555.7	46.9
1981	5,625.7	1,650.1	3,918.4	57.2
1980	5,977.7	1,783.1	4,124.8	69.8
1979	6,061.9	1,863.0	4,114.7	84.2
1978	6,099.2	1,893.5	4,123.5	82.2
1977	6,010.9	1,787.7	4,158.0	65.2
1976	6,033.3	1,694.0	4,290.4	48.9
1975	5,133.8	1,351.3	3,757.7	24.8
1974	5,691.8	1,541.8	4,117.3	32.7

READEX FICHE best copy available

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Bob Reinard, (301) 763-4476.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

C 3.158:

Table 1B. SUMMARY OF SPUN YARN PRODUCTION, BY FIBER AND METHOD OF DISTRIBUTION: 1985 AND 1984

(Thousands of pounds)

Type of yarn	1985				1984			
	Total	For sale	For own use	On commission	Total	For sale	For own use	On commission
Spun yarn production	5,733,170	1,836,491	3,848,751	47,928	5,832,233	1,884,549	3,890,777	56,907
Cotton	2,153,866	601,917	1,551,949	([1])	2,108,850	606,680	1,502,170	([1])
100 percent carded	1,664,844	315,668	1,349,176	([1])	1,629,683	319,815	1,309,868	([1])
100 percent combed	187,456	(f)	(f)	-	203,536	(f)	(f)	-
Blends, chiefly cotton containing rayon	48,561	(f)	(f)	-	46,991	(f)	(a)	-
Other blends, chiefly cotton	253,005	104,615	148,390	-	228,640	90,320	138,320	-
Wool, including reused and reprocessed wool	111,425	23,138	80,963	7,324	126,097	27,134	89,606	9,357
100 percent wool, reused or reprocessed wool	60,096	(f)	43,767	(c)	65,011	(f)	45,038	(e)
Blends, chiefly wool, reused or reprocessed wool, containing other fibers	51,329	(e)	37,196	(e)	61,086	(f)	44,568	(e)
Rayon and/or acetate (cellulosic)	134,986	42,383	(f)	(a)	157,409	43,241	(f)	(a)
100 percent rayon	78,547	(a)	(f)	(a)	80,761	(f)	(f)	(a)
100 percent acetate	(a)	-	(a)	-	(a)	-	(e)	-
Blends, chiefly rayon	56,234	(f)	43,339	(a)	(f)	(f)	53,357	(a)
Blends, chiefly acetate	(a)	(a)	-	-	-	-	-	-
Noncellulosic fibers	3,328,440	1,167,241	2,120,811	40,388	3,435,128	1,205,697	2,182,039	47,392
100 percent acrylic or modacrylic	280,193	216,005	62,161	2,027	290,329	225,196	62,247	2,886
100 percent polyester	375,843	196,754	(f)	(a)	410,260	214,511	(f)	(a)
Blends, chiefly acrylic or modacrylic	115,556	90,102	(f)	(a)	107,958	87,958	(f)	(a)
Blends, chiefly polyester containing:								
Cotton	1,465,395	(f)	1,237,883	(a)	1,548,288	(f)	1,298,429	(a)
Wool	(f)	(c)	(f)	(a)	(f)	(c)	(f)	(a)
Other fibers	103,510	(f)	88,418	(a)	131,474	(f)	(f)	(a)
100 percent nylon	818,686	340,993	448,023	29,670	794,495	342,264	416,859	35,372
Blends, chiefly nylon	(f)	(f)	(f)	(a)	(f)	(f)	(a)	(a)
Other spun yarn, 100 percent of one fiber	47,958	9,660	(f)	(a)	(f)	(e)	(f)	(a)
Other blends	4,459	(a)	(c)	-	5,122	(e)	(c)	-
Other spun yarns	48,140	38,070	(a)	(b)	41,925	34,183	(a)	(c)
Other natural fibers (sisal, hemp, jute, etc.)	4,453	1,812	(a)	(a)	4,749	1,797	(a)	12
100 percent of one fiber	(a)	(c)	(c)	(a)	(a)	1,797	(c)	(a)
Blends, chiefly other natural fibers	(c)	(a)	(c)	-	(c)	-	(c)	-

Note: See text regarding withholding of information indicated by letters (a) to (f).

- Represents zero.

[1] Included with "For own use" to avoid disclosing figures for individual companies. Represents less than one-tenth of 1 percent of total "For own use."

Table 2. PRODUCTION OF SPUN WEAVING YARN, BY FIBER AND METHOD OF DISTRIBUTION: 1985 AND 1984

(Thousands of pounds)

Type of yarn	1985				1984			
	Total	For sale	For own use	On commission	Total	For sale	For own use	On commission
Weaving yarn, except carpet	3,320,560	330,910	2,978,510	11,140	3,416,169	348,836	3,057,095	10,238
Cotton	1,557,750	135,345	1,422,405	-	1,505,945	135,353	1,370,592	-
100 percent carded	1,361,643	108,988	1,252,655	-	1,325,409	111,770	1,213,639	-
100 percent combed	49,271	15,415	33,856	-	45,627	15,935	29,692	-
Blends, chiefly cotton containing rayon	(e)	(c)	(e)	-	(d)	(c)	(e)	-
Other blends, chiefly cotton	(f)	(d)	(f)	-	(f)	(e)	(f)	-
Wool, including reused and reprocessed wool	78,829	2,716	72,100	4,013	(f)	(e)	80,930	(e)
100 percent wool, reused or reprocessed wool	40,134	1,892	36,579	1,663	42,119	2,575	37,781	1,763
Blends, chiefly wool, reused or reprocessed wool, containing other fibers	38,695	824	35,521	2,350	(f)	(b)	43,149	(c)
Rayon and/or acetate (cellulosic)	129,072	(f)	(f)	-	149,787	(f)	(f)	(a)
100 percent rayon	77,191	28,136	49,055	-	(f)	(f)	(f)	(a)
100 percent acetate	(a)	-	(a)	-	(e)	-	(e)	-
Blends, chiefly rayon	(f)	(f)	(f)	-	62,227	10,969	51,258	-
Blends, chiefly acetate	-	-	-	-	-	-	-	-
Noncellulosic fibers	1,551,044	153,319	1,390,598	7,127	1,668,145	171,061	1,490,829	6,255
100 percent acrylic or modacrylic	32,360	(e)	(f)	-	32,331	(c)	(f)	-
100 percent polyester	185,096	75,666	(f)	(a)	198,581	80,066	118,515	-
Blends, chiefly acrylic or modacrylic	30,841	15,639	(f)	(a)	22,884	11,230	(f)	(a)
Blends, chiefly polyester containing--								
Cotton	1,094,352	17,685	1,076,667	-	1,186,376	38,155	1,148,221	-
Wool	(f)	(c)	(f)	-	(f)	(c)	(f)	-
Other fibers	100,913	(f)	88,418	(a)	128,722	(f)	118,411	(a)
Nylon, 100 percent	22,420	18,295	(e)	(a)	23,220	20,839	(c)	(a)
Blends, chiefly nylon	18,980	(e)	(f)	-	9,076	(c)	(e)	-
Other spun yarns, 100 percent of one fiber	42,216	(e)	(f)	(e)	36,660	(e)	(f)	(e)
Other blends	(c)	(a)	(c)	-	(c)	(a)	(c)	-
Other natural fibers (sisal, hemp, jute, etc.)	3,865	(c)	(e)	-	(e)	(c)	(e)	-
100 percent of one fiber	(a)	(c)	(c)	-	(c)	(c)	(c)	-
Blends, chiefly other natural fibers	(c)	(a)	(c)	-	(c)	-	(c)	-

Note: See text regarding withholding of information indicated by letters (a) to (f).

- Represents zero.

Table 3. PRODUCTION OF SPUN MACHINES KNITTING YARN (EXCEPT CARPET), BY FIBER AND METHOD OF DISTRIBUTION: 1985 AND 1984

(Thousands of pounds)

Type of yarn	1985				1984			
	Total	For sale	For own use	On commission	Total	For sale	For own use	On commission
Machine knitting yarns, except carpet	1,248,557	927,865	315,997	4,695	1,244,605	937,007	299,814	7,784
Cotton	506,527	387,506	119,021	-	501,220	383,842	117,378	-
100 percent carded	277,003	185,607	91,396	-	273,469	186,631	86,838	-
100 percent combed	(f)	105,495	(e)	-	124,704	112,782	11,922	-
Blends chiefly cotton containing rayon	(c)	(c)	-	-	(a)	(a)	-	-
Other blends, chiefly cotton	(f)	(f)	(f)	-	(f)	(f)	18,618	-
Wool, including reused and reprocessed wool	(f)	(f)	(c)	3,271	(f)	(f)	(c)	5,334
100 percent wool, reused or reprocessed wool	(f)	7,485	(c)	(a)	(f)	8,789	(c)	(c)
Blends, chiefly wool, reused or reprocessed wool, containing other fibers	9,163	(e)	(a)	(e)	11,447	(e)	(b)	(e)
Spun rayon and/or acetate (cellulosic)	(e)	(c)	(c)	-	(e)	(e)	(c)	-
100 percent rayon	(b)	(b)	-	-	(c)	(c)	-	-
100 percent acetate	-	-	-	-	-	-	-	-
Blends, chiefly rayon	(c)	(b)	(c)	-	(e)	(c)	(c)	-
Blends, chiefly acetate	(a)	(a)	-	-	-	-	-	-
Spun noncellulosic fibers	720,379	524,930	194,025	1,424	716,294	534,098	179,746	2,450
100 percent acrylic or modacrylic	195,877	175,806	(f)	(b)	204,157	184,651	(f)	(c)
100 percent polyester	(f)	(f)	(f)	-	(f)	(f)	(f)	(a)
Blends, chiefly acrylic or modacrylic	65,570	(f)	(e)	(a)	60,234	(f)	(e)	(b)
Blends, chiefly polyester containing--								
Cotton	347,097	201,798	145,299	-	337,586	203,077	134,509	-
Wool	(c)	(a)	(c)	(a)	(c)	(b)	(c)	(a)
100 percent nylon	(e)	(e)	-	-	(e)	(e)	-	-
Blends chiefly nylon	(c)	(b)	-	(a)	(c)	(c)	-	(a)
Other spun yarns, 100 percent of one fiber	(e)	(e)	-	-	-	-	-	-
Other blends	(e)	(e)	(a)	-	(e)	(e)	(a)	-
Other spun yarns	(e)	(c)	(c)	-	(e)	(e)	(c)	-
Other spun yarns, 100 percent of one natural fiber (jute, sisal, hemp)	-	-	-	-	-	-	-	-

Note: See text regarding withholding of information indicated by letters (a) to (f).

- Represents zero.

Table 4. PRODUCTION OF SPUN CARPET AND RUG YARN, BY FIBER AND METHOD OF DISTRIBUTION: 1986 AND 1985

(Thousands of pounds)

Type of yarn	1985				1984			
	Total	For sale	For own use	On commission	Total	For sale	For own use	On commission
Carpet and rug yarns	940,881	414,884	496,561	29,436	937,157	425,256	476,902	34,999
Cotton	852	852	-	-	(b)	(b)	-	-
100 percent carded	852	852	-	-	(b)	(b)	-	-
Blends, chiefly cotton, containing rayon	-	-	-	-	-	-	-	-
Wool, including reused and reprocessed wool	13,564	(a)	(a)	-	14,396	(a)	(a)	(a)
100 percent wool, reused or reprocessed wool	10,093	(a)	(a)	-	10,912	(a)	(a)	(a)
Blends, chiefly wool, reused or reprocessed wool, containing other fibers	3,471	(c)	(c)	-	3,484	(a)	(b)	-
Spun rayon and/or acetate (cellulosic)	(c)	(c)	(a)	-	2,166	(c)	(b)	-
100 percent rayon	-	-	-	-	-	-	-	-
100 percent acetate	-	-	-	-	-	-	-	-
Blends, chiefly rayon	(c)	(c)	(a)	-	2,166	(c)	(b)	-
All noncellulosic fibers	923,852	405,290	489,126	29,436	919,010	414,772	(f)	(f)
100 percent acrylic or modacrylic	(a)	(a)	(a)	-	(f)	(a)	(a)	-
100 percent polyester	95,913	43,478	52,435	-	113,460	53,356	(f)	(a)
Blends, chiefly acrylic or modacrylic	(a)	(a)	(c)	-	(a)	(a)	(c)	-
Blends, chiefly polyester with fibers except wool or cotton	(c)	(c)	-	(a)	(c)	(c)	(a)	-
100 percent spun nylon	779,868	(f)	432,364	(f)	755,111	(f)	403,556	(f)
Blends, chiefly spun nylon	(f)	(f)	-	-	(f)	(f)	-	-
Other spun yarns, 100 percent of one fiber	(b)	(b)	-	-	-	-	-	-
Other spun yarns	(a)	(a)	(a)	-	(a)	(a)	(a)	-
100 percent of one natural fiber except wool or cotton	(b)	(b)	-	-	(b)	(b)	-	-

Note: See text regarding withholding of information indicated by letters (a) to (f).

- Represents zero.

Table 5. PRODUCTION OF SPUN YARN, EXCEPT WEAVING, MACHINE KNITTING, OR CARPET, BY END USE, FIBER, AND METHOD OF DISTRIBUTION: 1985 AND 1984

(Thousands of pounds)

End use and type of yarn	1985				1984			
	Total	For sale	For own use	On commission	Total	For sale	For own use	On commission
Spun yarns, except weaving, machine knitting, or carpet	223,172	162,832	57,683	2,657	234,302	173,450	56,600	4,252
Hand knitting yarns	63,562	54,590	(e)	(c)	67,372	55,742	(f)	(c)
100 percent wool, reused wool or reprocessed wool	(b)	(b)	-	(a)	(b)	(b)	-	(a)
Blends, chiefly rayon	(a)	(a)	-	-	(a)	(a)	-	-
Spun noncellulosic fibers	62,857	53,925	(e)	(c)	66,474	(f)	(f)	(c)
100 percent acrylic or modacrylic	(f)	(f)	(e)	(c)	(f)	(f)	(f)	(c)
Blends, chiefly acrylic or modacrylic	(f)	(f)	-	(a)	(f)	(f)	-	(a)
Blends, chiefly polyester, containing wool	-	-	-	-	-	-	-	-
Other spun yarns	(e)	(e)	-	-	(e)	(e)	-	-
Cordage and twine yarns	43,122	28,495	(f)	(g)	47,841	29,942	(f)	(b)
100 percent carded cotton	11,190	(e)	(e)	(1)	15,241	(e)	(e)	(1)
Blends, chiefly cotton containing rayon	(c)	(c)	-	-	(e)	(e)	-	-
Spun noncellulosic fibers	29,687	(f)	(f)	(a)	29,522	(f)	(f)	(b)
100 percent polyester	(b)	(b)	-	-	(b)	(b)	-	-
Blends, chiefly polyester with cotton	(e)	(e)	-	-	(e)	(e)	-	-
Blends, chiefly polyester with fibers except cotton or wool	(a)	(a)	-	-	(a)	(a)	-	-
100 percent nylon	(f)	(a)	(e)	(a)	(f)	-	(e)	(b)
Yarns other than polyester, acrylic, or nylon 100 percent of one fiber	(b)	-	(b)	-	(c)	-	(c)	-
Other spun yarns	(f)	(f)	-	-	(f)	(f)	-	-
Other natural fibers (sisal, hemp, jute, etc.)	(a)	-	(a)	-	(a)	-	(a)	-
100 percent one fiber	(a)	-	(a)	-	(a)	-	(a)	-
Blends, chiefly other natural fibers	-	-	-	-	-	-	-	-
Tufting yarns, except carpet	(e)	(c)	(e)	-	(c)	(c)	(a)	-
100 percent carded cotton	(c)	(c)	-	-	(c)	(c)	-	-
100 percent rayon	(a)	(a)	-	-	(a)	(a)	-	-
100 percent acrylic or modacrylic	(e)	-	(e)	-	-	-	-	-
Other spun yarns	(b)	(a)	(b)	-	(a)	(a)	(a)	-
Thread yarns	(f)	(f)	30,306	(b)	(f)	(f)	28,532	(c)
100 percent carded cotton	(e)	(c)	(c)	-	(e)	(c)	(e)	-
100 percent combed cotton	(f)	(f)	(e)	-	(f)	(f)	(e)	-
100 percent nylon	(c)	-	(c)		(c)	-	(c)	-
Blends, chiefly polyester, containing cotton	(f)	(e)	15,917	(a)	(f)	(e)	15,699	(a)
Other spun yarns	12,590	(e)	6,506	(b)	11,581	(e)	4,043	(c)
All other uses	48,760	47,478	846	436	51,125	49,614	1,112	399
Cotton	47,432	(f)	(b)	(1)	(f)	(f)	(b)	-
100 percent carded	(e)	(e)	(a)	(1)	(e)	(e)	-	-
100 percent combed	(e)	(e)	-	-	(e)	(e)	-	-
Blends, chiefly cotton containing rayon	(f)	(f)	-	-	(f)	(f)	-	-
Blends, chiefly cotton with fibers except rayon	(b)	(a)	(b)	-	(b)	-	(b)	-
Spun rayon and acetate (cellulosic)	(a)	(a)	(a)	(a)	(b)	(a)	(a)	(a)
100 percent rayon	(a)	(a)	-	(a)	(a)	(a)	-	(a)
Blends, chiefly rayon	(a)	-	(a)	(a)	(b)	(a)	(a)	(a)
Blends, chiefly spun acrylic or modacrylic	(a)	(a)	-	-	(b)	(b)	-	-
Other spun yarns	(a)	(a)	-	(a)	(a)	(a)	-	(a)
Other natural fibers (sisal, hemp, jute, etc.)	(a)	-	-	(a)	(a)	-	-	(a)
100 percent of one fiber	(a)	-	-	(a)	(a)	-	-	(a)
Blends, chiefly other natural fibers	-	-	-	-	-	-	-	-

Note: See text regarding withholding of information indicated by letters (a) to (f).

- Represents zero.

[1] Included with "For own use" to avoid disclosing figures for individual companies. Represents less than 3 percent of total of "For own use."

Table 6. SPUN YARN PRODUCTION, BY STATE: 1985 AND 1984

(Thousands of pounds)

State	Total	Cotton, including blends	Wool and wool blends, including reused and re-processed	Spun rayon and/or acetate, including blends (cellulosic)	Spun acrylic yarns, including blends	Spun polyester blends with cotton	Spun polyester blends with fibers, except cotton	Spun non-cellulosic yarns, except acrylic and polyester blends	Other natural fibers
1985									
United States	5,733,170	2,153,866	111,425	134,986	395,749	1,465,395	(f)	(f)	4,453
Alabama	476,914	226,006	-	(a)	(f)	160,757	(a)	172,645	(c)
Georgia	1,208,916	371,570	11,984	(a)	36,867	218,084	(a)	558,981	-
Kentucky	36,787	(f)	(c)	(a)	(f)	-	-	(c)	-
Maine	58,757	(a)	30,370	(a)	(a)	-	(a)	(f)	-
Massachusetts	24,794	(a)	8,578	(c)	523	(a)	(a)	7,225	-
Mississippi	49,349	(f)	(c)	-	(a)	-	-	(a)	-
North Carolina	1,996,844	871,231	(f)	70,812	249,639	322,267	38,910	421,337	(a)
Pennsylvania	54,856	-	8,088	(a)	(f)	-	(a)	(f)	-
South Carolina	1,370,890	432,348	(a)	43,833	(f)	670,973	81,624	107,168	-
Tennessee	148,820	87,392	(a)	-	(f)	(f)	-	20,497	-
Texas	74,039	(f)	(a)	-	-	(f)	-	(c)	-
Virginia	137,669	54,928	(a)	(c)	(f)	(f)	(c)	(f)	-
All other states	94,535	(a)	22,374	(a)	(c)	-	(c)	67,702	(a)
1984									
United States	5,832,233	2,108,850	126,097	157,409	398,287	1,548,288	(f)	(f)	4,749
Alabama	521,572	244,351	-	(a)	(f)	179,056	(a)	78,410	(b)
Georgia	1,249,097	389,460	12,558	(a)	38,360	242,583	(a)	551,451	-
Kentucky	47,823	(f)	(a)	(a)	(f)	-	-	(c)	-
Maine	65,219	(a)	32,760	(a)	(a)	(a)	(a)	(f)	-
Massachusetts	26,650	(a)	9,847	(c)	509	(a)	(a)	(a)	-
Mississippi	38,161	(f)	(b)	-	(a)	-	-	(a)	-
North Carolina	1,960,653	822,264	(f)	81,439	239,336	351,399	54,637	385,748	(c)
Pennsylvania	58,104	-	8,692	(a)	(f)	-	-	(f)	-
South Carolina	1,343,641	381,458	7,582	55,064	27,898	667,780	94,708	109,151	-
Tennessee	171,976	111,915	(a)	-	(f)	19,931	-	(f)	-
Texas	78,400	42,884	(a)	-	-	(f)	(a)	(a)	-
Virginia	153,403	57,102	(a)	(c)	(f)	(f)	(c)	(f)	-
All other states	117,534	-	27,045	(a)	(a)	-	(c)	84,796	(a)

Note: See text regarding withholding of information indicated by letters (a) to (f).

- Represents zero.

Table 7. PRODUCTION OF SPUN YARN, BY TYPE OF SPINNING SYSTEM, BY TYPE OF YARN, AND BY END USE: 1985 AND 1984

(Thousands of pounds)

System of spinning	Spun yarn production	Spun yarn classified by principal fiber				Other natural fibers (sisal, hemp, jute, etc.)
		Cotton	Wool	Rayon and/or acetate (cellulosic)	Noncellulosic fibers	
1985						
Production, all systems	5,733,170	2,153,866	111,425	134,986	3,328,440	4,453
Cotton system	4,588,741	(f)	5,714	124,892	2,304,202	(a)
Weaving, except carpet	3,101,983	1,557,750	(a)	(f)	1,422,989	(a)
Machine knitting, except carpet	1,158,364	506,527	(e)	(e)	645,101	-
Hand knitting	(f)	-	-	-	(f)	-
Carpet and rug	(f)	852	(c)	-	(f)	-
Cordage and twine	(f)	(f)	-	-	(f)	-
Tufting, except carpet	(f)	(c)	-	(a)	(a)	-
Thread	(f)	(f)	-	-	(f)	-
All other uses	48,669	(f)	-	(a)	(b)	-
Woolen system	174,005	(a)	76,143	(c)	96,456	-
Weaving, except carpet	101,501	-	(f)	-	(f)	-
Machine knitting, except carpet	(f)	-	(e)	-	(e)	-
Hand knitting	(a)	-	(a)	(a)	(a)	-
Carpet and rug	58,341	-	(f)	(c)	45,648	-
Cordage and twine	-	-	-	-	-	-
Tufting, except carpet	-	-	-	-	-	-
Thread	-	-	-	-	-	-
All other	(a)	(a)	-	-	-	-
Worsted system	933,645	-	29,568	(e)	897,065	(c)
Weaving, except carpet	110,890	-	(f)	(e)	83,363	(c)
Machine knitting, except carpet	74,733	-	7,119	-	67,614	-
Hand knitting	40,788	-	611	-	40,177	-
Carpet and rug	696,743	-	-	(b)	695,504	(b)
Cordage and twine	(e)	-	-	-	(e)	-
Tufting, except carpet	-	-	-	-	-	-
Thread	(b)	-	-	-	(b)	-
All other	(a)	-	-	(a)	-	(a)
Other systems	36,779	-	-	(e)	30,717	(e)
Weaving, except carpet	6,186	-	-	(e)	(a)	(e)
Machine knitting, except carpet	(c)	-	-	-	(c)	-
Hand knitting	(c)	-	-	-	(c)	-
Carpet and rug	(f)	-	-	-	(f)	-
Cordage and twine	(c)	-	-	-	(c)	(a)
Tufting, except carpet	-	-	-	-	-	-
Thread	-	-	-	-	-	-
All other	-	-	-	-	-	-
1984						
Production, all systems	5,832,233	2,108,850	126,097	157,409	3,435,128	4,749
Cotton system	4,686,080	(f)	6,479	(f)	2,423,335	-
Weaving, except carpet	3,184,876	1,505,945	(a)	(f)	1,536,466	-
Machine knitting, except carpet	1,149,180	501,220	(e)	(e)	639,514	-
Hand knitting	(f)	-	(a)	-	(f)	-
Carpet and rug	(f)	(b)	(c)	-	(f)	-
Cordage and twine	36,271	(f)	-	-	(f)	-
Tufting, except carpet	(c)	(c)	-	(a)	(a)	-
Thread	(f)	(f)	-	-	33,400	-
All other uses	50,659	(f)	-	(a)	(b)	-
Woolen system	181,159	(a)	85,023	(c)	94,510	-
Weaving, except carpet	104,821	-	62,945	(a)	(f)	-
Machine knitting, except carpet	(f)	-	(f)	-	(e)	-
Hand knitting	(a)	-	(a)	(a)	(a)	-
Carpet and rug	57,122	-	(f)	(c)	43,681	-
Cordage and twine	-	-	-	-	-	-
Tufting, except carpet	-	-	-	-	-	-
Thread	-	-	-	-	-	-
All other	(a)	(a)	-	(a)	-	-
Worsted system	927,633	-	34,595	(f)	885,775	(c)
Weaving, except carpet	120,438	-	(f)	(e)	89,534	(c)
Machine knitting, except carpet	75,212	-	8,581	-	66,631	-
Hand knitting	38,258	-	(b)	-	(f)	-
Carpet and rug	682,790	-	-	(b)	681,549	(b)
Cordage and twine	(e)	-	-	-	(e)	-
Tufting, except carpet	-	-	-	-	-	-
Thread	(c)	-	-	-	(c)	-
All other	(a)	-	-	(a)	-	(a)
Other systems	37,361	-	-	(e)	31,508	(e)
Weaving, except carpet	6,034	-	-	(e)	(a)	(e)
Machine knitting, except carpet	(c)	-	-	-	(c)	-
Hand knitting	(c)	-	-	-	(c)	-
Carpet and rug	(f)	-	-	-	(f)	-
Cordage and twine	(c)	-	-	-	(c)	(a)
Tufting, except carpet	-	-	-	-	-	-
Thread	-	-	-	-	-	-
All other	-	-	-	-	-	-

Note: See text regarding withholding of information indicated by letters (a) to (f).

- Represents zero.

Table 8. PRODUCTION OF SPUN YARN FOR SALE, BY TYPE OF SPINNING SYSTEM, BY TYPE OF YARN, AND BY END USE: 1985 AND 1984

(Thousands of pounds)

System of spinning	Spun yarn for sale	Spun yarn classified by principal fiber				Other natural fibers (sisal, hemp, jute, etc.)
		Cotton	Wool	Rayon and/or acetate (cellulosic)	Noncellulosic fibers	
1985						
Production, all systems	1,836,491	601,917	23,138	42,383	1,167,241	1,812
Cotton system	1,357,964	(f)	(e)	36,124	716,819	(a)
Weaving, except carpet	272,337	135,345	-	(f)	103,265	(a)
Machine knitting, except carpet	851,536	387,506	(e)	(c)	458,773	-
Hand knitting	20,901	-	-	-	20,901	-
Carpet and rug	(f)	852	-	-	(f)	-
Cordage and twine	28,109	(e)	-	-	(f)	-
Tufting, except carpet	(c)	(c)	-	(a)	(a)	-
Thread	(f)	(f)	-	-	(f)	-
All other	(f)	(f)	-	(a)	(b)	-
Woolen system	23,876	(a)	10,457	(c)	12,013	-
Weaving, except carpet	10,139	-	(b)	-	(e)	-
Machine knitting, except carpet	(e)	-	(e)	-	(b)	-
Hand knitting	(a)	-	(a)	(a)	-	-
Carpet and rug	9,675	-	(e)	(c)	(c)	-
Cordage and twine	-	-	-	-	-	-
Tufting, except carpet	-	-	-	-	-	-
Thread	-	-	-	-	-	-
All other	(a)	(a)	-	-	-	-
Worsted system	2,245	-	(e)	(c)	410,599	(b)
Weaving, except carpet	43,688	-	(c)	(c)	(f)	-
Machine knitting, except carpet	70,920	-	6,902	-	64,018	-
Hand knitting	(f)	-	(b)	-	33,024	-
Carpet and rug	273,946	-	-	(a)	(f)	(b)
Cordage and twine	(a)	-	-	-	(a)	-
Tufting, except carpet	-	-	-	-	-	-
Thread	-	-	-	-	-	-
All other	-	-	-	-	-	-
Other systems	32,406	-	-	(e)	27,810	(c)
Weaving, except carpet	4,746	-	-	(e)	(a)	(c)
Machine knitting, except carpet	(b)	-	-	-	(b)	-
Hand knitting	-	-	-	-	-	-
Carpet and rug	(f)	-	-	-	(f)	-
Cordage and twine	(a)	-	-	-	(a)	-
Tufting, except carpet	-	-	-	-	-	-
Thread	-	-	-	-	-	-
All other	-	-	-	-	-	-
1984						
Production, all systems	1,884,549	606,680	27,134	43,241	1,205,697	1,797
Cotton system	1,408,052	(f)	(e)	37,680	760,178	-
Weaving, except carpet	283,321	135,353	-	33,853	114,115	-
Machine knitting, except carpet	859,256	383,842	(e)	(e)	468,462	-
Hand knitting	26,852	-	(a)	-	(f)	-
Carpet and rug	(f)	(b)	-	-	(f)	-
Cordage and twine	(f)	(f)	-	-	(f)	-
Tufting, except carpet	(c)	(c)	-	(a)	(a)	-
Thread	(f)	(f)	-	-	(f)	-
All other	(f)	(f)	-	(a)	(b)	-
Woolen system	29,266	(a)	12,237	(b)	15,434	-
Weaving, except carpet	12,546	-	(b)	-	(f)	-
Machine knitting, except carpet	(e)	-	(e)	-	(c)	-
Hand knitting	(a)	-	(a)	(a)	-	-
Carpet and rug	11,316	-	(e)	(c)	2,417	-
Cordage and twine	-	-	-	-	-	-
Tufting, except carpet	-	-	-	-	-	-
Thread	-	-	-	-	-	-
All other	(a)	(a)	-	(a)	-	-
Worsted system	415,592	-	(f)	(b)	402,739	(b)
Weaving, except carpet	48,376	-	(e)	(b)	(f)	-
Machine knitting, except carpet	71,270	-	8,058	-	63,212	-
Hand knitting	(f)	-	(b)	-	(f)	-
Carpet and rug	267,071	-	-	-	(f)	(b)
Cordage and twine	(a)	-	-	-	(a)	-
Tufting, except carpet	-	-	-	-	-	-
Thread	-	-	-	-	-	-
All other	-	-	-	-	-	-
Other systems	31,639	-	-	(e)	27,346	(c)
Weaving, except carpet	4,593	-	-	(e)	(a)	(c)
Machine knitting, except carpet	(b)	-	-	-	(b)	-
Hand knitting	-	-	-	-	-	-
Carpet and rug	(f)	-	-	-	(f)	-
Cordage and twine	-	-	-	-	-	-
Tufting, except carpet	-	-	-	-	-	-
Thread	-	-	-	-	-	-
All other	-	-	-	-	-	-

Note: See text regarding withholding of information indicated by letters (a) to (f).

- Represents zero.

Table 9. DOMESTIC PRODUCTION, IMPORTS, AND EXPORTS OF SPUN YARN: 1985

(Quantity in thousands of pounds; value in thousands of dollars)

Product code	Product description	Total production		Production of sales yarn		Exports of[1] domestic merchandise		Imports for consumption	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity[2]	Value[3]
22811 22812	Cotton	2,153,866	(NA)	601,917	(NA)	10,237	19,699	27,553	41,527
22831 22832	Wool	111,423	(NA)	23,138	(NA)	460	2,953	11,568	65,840
	Manmade	3,463,426	(NA)	1,209,624	(NA)	43,642	72,270	33,968	64,699
22813	Cellulosic	134,986	(NA)	42,383	(NA)	216	444	1,698	2,448
22814	Noncellulosic	3,328,440	(NA)	1,167,241	(NA)	43,426	71,826	32,270	62,251
22992 pt.	All other fibers	4,453	(NA)	1,812	(NA)	3,639	11,380	17,047	16,675

Note: For comparison of Standard Industrial Classification (SIC) codes, Schedule B export numbers, and TSUSA import numbers, see table 10.

(NA) Not available. pt. Part.

[1] Source: Bureau of the Census report EM 546, U.S. Exports.
[2] Source: Bureau of the Census report IM 146, U.S. Imports for Consumption.
[3] The dollar value represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties. Source: IM 145-X, U.S. Imports for Consumption and General Imports.

Table 10. COMPARISON OF SIC CODES (DOMESTIC OUTPUT), SCHEDULE B EXPORT NUMBERS, AND TSUSA IMPORT NUMBERS

Domestic output	Export number	Import number
22811, 22812	300.6520-300.6580	300.6020, 300.6022 300.6024, 300.6026 300.6028, 301.1000 301.2000, 301.3000 301.4000, 301.5000 301.6000, 301.7000 301.8000
22831, 22832	307.6500	307.6000, 307.6200 307.6600, 307.6810 307.6820, 307.6830 307.6840, 307.6850 307.7000, 307.8020 307.8030, 307.8040 307.8050
22813	310.4525	310.4030, 310.5030
22814	310.4535-310.9240	310.4027, 310.4046- 310.4050, 310.5046- 310.5051
22992 pt.	305.0140, 308.3200	305.0200-305.5000 308.4000-308.8000

pt. Part.

DESCRIPTION OF SURVEY

Scope of Survey. This survey covers companies spinning yarn from staples, tow, and uncut top on any textile-type system of machinery, except very small firms (generally less than five employees) for which 1982 Census of Manufactures data were derived from administrative records of other government agencies.

Survey Methodology. The statistics in this publication were collected by mail on Bureau of the Census annual Form MA22F, Yarn Production. The survey panel included all known producers of textured yarn spun from staple, tow, and uncut top, except the very small firms excluded from the scope of the survey. Approximately 675 establishments are included. A separate report is obtained from each plant and for each spinning system (i.e., cotton, woolen, worsted, and other). No estimate is derived for the small firms excluded from the survey.

Reliability of Data. Survey error may result from several sources: (1) inability to obtain information about all cases in the survey; (2) response errors; (3) definitional difficulties; (4) differences in the interpretation of questions; (5) mistakes in recording or coding the data obtained; and (6) other errors of collection, response, coverage, and estimation for missing data. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is due to imputing data for nonrespondents, for late reporters, and for data which fail logic edits. Missing figures are imputed based on yearly movements shown by reporting firms. Imputing generally is limited to a maximum of 5 percent for any one data cell. Figures with imputation rates greater than 5 percent are footnoted.

The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse because the actual yearly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is not precisely known, but is assumed to be small. The degree of uncertainty regarding the accuracy of the published data, however, increases as the percentage of imputation increases. Figures with imputation rates above 15 percent should be used with caution.

Revisions to Previous Period Data. Statistics for previous years may be revised as the result of corrected data from respondents, including the receipt of late reports for which imputations were made as described above, other corrections. Figures which have been revised by more than 5 percent from previously published figures are indicated by footnotes.

Disclosure of Information. In order to avoid disclosure of individual company information, a number of figures have been withheld. In such cases, a letter symbol has been substituted, as follows, to indicate the approximate magnitude of the withheld information.

(a) Under 500,000 pounds
(b) 500,000 to 999,000 pounds
(c) 1,000,000 to 2,499,999 pounds
(e) 2,500,000 to 9,999,999 pounds
(f) 10,000,000 pounds and over

EXPLANATION OF TERMS

For Own Use. Produced for consumption in the yarn producing plant or in other plants under the same or affiliated ownership.

On Commission. Produced from yarns owned by other companies not under the same ownership or affiliated with the yarn producing plant.

Blended Yarn. Blended yarns are classified based on chief fiber content by weight. Blends and mixtures which are by weight 50 percent natural fiber are, for purposes of continuity, classified in the manmade category. Yarns which are 95 percent or more of one fiber are not considered blends. Such yarns are included in the 100 percent classification for that fiber.

COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

The Standard Industrial Classification (SIC) system used for domestic output and the statistical export and import commodity classifications were developed independently. This results in considerable difficulty in comparing the three types of data for many commodity areas. The domestic output classification is based on type of industry; on the other hand, the export and import classification system is more materials oriented. Also, there are a substantial number of imported commodities which have no comparable domestic output classification. The relationships shown in this report should be considered only as approximations, since, in addition to the problems mentioned above, there are also the following problems affecting the comparability of the three sets of data.

Valuation. There are different methods of valuation for the three types of data:

- *Domestic Output*— Valued at the point of production. It includes the net sales price, f.o.b. plant, after discounts and allowances, exclusive of freight charges and excise taxes.

- *Exports*— Valued at the point of exportation. It includes the selling price, or cost if not sold, and inland freight, insurance and other charges to the export point.

  Estimated producers' values of exports have also been developed. These values more closely approximate the values reported for domestic output because they exclude freight, insurance, and other charges applied from the producing plant to the export point.

- *Imports*— Valued at the first port of entry in the United States. It includes c.i.f. (cost, insurance, and freight), duty, and other charges to the import point.

Duplication in Quantity and Value of Output. Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of data for such commodities may contain a certain amount of duplication. Thus, percentages of exports to output or imports to apparent consumption (output plus imports minus exports) at four-digit or broader levels may be understated. Where duplication is known to be substantial, the output data are appropriately noted in the table.

Low-Value Import and Export Transactions. Detailed commodity information is not included for individual export shipments valued at not more than $1,000. Generally, detailed commodity information is not included for individual import shipments valued at not more than $1,000. For textiles and textile products, gloves, footwear, and miscellaneous rubber and plastics products, detailed commodity information is not included for individual import shipments valued at not more than $250. This is believed to have only negligible effects on the statistics for the bulk of the commodities.

Manufacturers' Shipments, Not Specified by Kind. The value of manufacturers' shipments at the four-digit industry level often includes a small amount which is not distributed among the individual five-digit product classes. Export and import percentages at the more detailed levels might, therefore, be slightly overstated.

Time Lag Between Output and Exports. There will be a lag between the time a commodity is produced or shipped by the producer and the time it is actually exported, especially when intermediaries (wholesalers, exporters, etc.) are involved. Ordinarily, this type of discrepancy is insignificant in annual figures.

"Direct" vs "Total" Commodity Exports and Imports. Exports and import data do not include materials which are incorporated into other more finished products and exported or imported in finished form. Thus, by showing only direct exports and imports, the relation of exports to output and imports to apparent consumption for intermediate products is considerably understated.

Used Commodities. With a few exceptions, used or rebuilt commodities are classified in the same import or export codes as is new merchandise. Percentages are thus overstated to the extent that used or rebuilt products are significant in trade.

Geographic Area of Coverage. Import and export data reflect the movement of merchandise into and out of U.S. foreign trade zones, the U.S. Virgin Islands, and the U.S. customs territory (includes the 50 States, the District of Columbia, and Puerto Rico).

HISTORICAL NOTE

Data on textured yarn production have been collected by the Bureau of the Census since 1960. Historical data may be obtained from Current Industrial Reports available at your local Federal Depository Library. A list of these libraries may be obtained from the Bureau of the Census regional offices:

Office	Telephone
Atlanta, Georgia	(404) 881-2271
Boston, Massachusetts	(617) 223-2327
Charlotte, North Carolina	(704) 371-6142
Chicago, Illinois	(312) 353-6251
Dallas, Texas	(214) 767-0621
Denver, Colorado	(303) 234-3924
Detroit, Michigan	(313) 226-7742
Kansas City, Kansas	(816) 374-4601
Los Angeles, California	(213) 209-6616
New York, New York	(212) 264-3860
Philadelphia, Pennsylvania	(215) 597-4920
Seattle, Washington	(206) 442-7828

RELATED REPORTS

The Bureau of the Census also publishes the following related reports:

Series	Frequency	Title
Current Industrial Reports		
M22A	Monthly	*Finished Fabrics (Production, Inventories, and Unfilled Orders)*
M22D	Monthly	*Consumption on the Woolen System and Worsted on Combing*
M22P	Monthly	*Consumption on the Cotton System and Stocks*
MQ23X	Quarterly	*Sheets, Pillowcases, and Towels*
MA22Q	Annually	*Carpet and Rugs*
MA22F.1	Annually	*Textured Yarn Production*
MA22G	Annually	*Narrow Fabrics*
MA22K	Annually	*Knit Fabric Production*
MA22S	Annually	*Finished Broadwoven Fabrics*
MA22M	Biennially	*Stocks of Wool and Related Fibers*
MA23D	Annually	*Gloves and Mittens*
MA23E	Annually	*Men's and Boys' Outerwear*

Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

Official Business
Penalty for Private Use, $300

FIRST-CLASS MAIL
POSTAGE & FEES PAID
CENSUS
PERMIT No. G–58

Series	Fequency	Title
MA23F	Annually	*Women's and Children's Outerwear*
MA23G	Annually	*Underwear and Nightwear*
Other Industry Reports		
M3-1	Monthly	*Manufacturers' Shipments, Inventories, and Orders*
(AS)	Annually	Annual Survey of Manufactures (ASM)
(MC)	Quinquennially	Census of Manufactures
Foreign Trade Reports		
FT410	Monthly	*U.S. Exports—Schedule E—Commodity by Country*
FT135	Monthly	*U.S. General Imports—Schedule A—Commodity by Country*

CONTACTS FOR DATA USERS

Subject Area	Contact	Phone Number
Current Industrial MA22F.2	Bob Reinard	(301) 763-4477
Foreign Trade publications	Joyce Ware	(301) 763-5140
Census/ASM	Charles Lee	(301) 763-5152
To order a Census Bureau publication	Customer Services (DUSD)	(301) 763-4100
Office of Textiles	Jim Bennett	(202) 377-4058

ACKNOWLEDGMENTS

This report was prepared in the Industry Division, Bureau of the Census, under the direction of Carole A. Ambler, Chief Current Durables Branch, and Judy Dodds, Chief, Textile and Apparel Section. Bob Reinard was directly responsible for the review of the data and preparation of the report. Gaylord Worden, Chief of the Division, and Thomas L. Mesenbourg, Assistant Chief for Current Industrial Reports, provided overall direction and coordination to this project.